

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

October

2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

November 15, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

After enduring a very long, hot and dry summer, the month of October brought some cooler temperatures and a beneficial rain event to the San Angel hydrologic service area (HSA). An upper level storm system developed over the southwestern U.S. on the 6th. As the storm system slowly approached the region, widespread coverage of showers and scattered thunderstorms occurred across the HSA beginning on the 8th. Over a 48-hour period, many areas across the HSA received 2 to 4 inches of rain. Isolated areas east of a San Angelo to Abilene line received 4 to 6 inches of rain. Southeastern San Saba County (around Cherokee) received as much as 8 inches of rain during the event. During the overnight hours on the 8th into the 9th, flash flood warnings were issued in Sutton, Brown and San Saba Counties. Local law enforcement were barricading low water crossings and closing roads due to flooding.

At the beginning of the month, the U.S. Drought Monitor depicted exceptional drought conditions across most of the HSA. Due to the short-term relief the mid-October rain event provided, areas that generally received over two inches of rain were upgraded to severe and extreme drought conditions.

The average precipitation reported from coop observers in October was 3.75 inches. The highest monthly precipitation total of 6.26 inches was reported in eastern Callahan County. Coop observers in Brown, Callahan, Crockett, San Saba and Throckmorton Counties received over five inches of rain in October.

The San Angelo Regional Airport received 2.91 inches of precipitation during October, which was 0.18 of an inch above normal for the month. The monthly normal rainfall for San Angelo in October is 2.73 inches.

The Abilene Regional Airport received 4.09 inches of precipitation during October, which was 1.11 inches above normal for the month. The monthly normal rainfall for Abilene in October is 2.98 inches.

Junction received 3.88 inches of rain during October. The estimated average monthly rainfall in October is about 2.75 inches.

Coop Observer Rainfall Totals for October, 2011:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	4.51		Mertzon 12NNW	2.24
Acton Ranch	5.62		Ozona	1.93
Albany	3.90		Ozona 22SE	3.25
Ballinger 2NW	2.82		Paint Rock	3.31
Brownwood	5.27		Putnam	6.26
Burkett	4.22		Red Bluff Crossing	5.00
Coleman	3.30		Roscoe	3.56
Concho Park	3.26		Rotan	3.23
Eden	3.66		San Angelo WFO	2.77
Eldorado	2.57		San Saba 7NW	6.00
Fort Griffin	4.73		Santa Anna 12SSE	3.05
Fort McKavett	2.59		Silver Valley	4.71
Glen Cove 2NE	4.82		Sonora	1.99
Hamlin	3.92		Stamford	3.63
Haskell	3.37		Sterling City	2.58
Humble Pump	3.72		Taylor Ranch	4.78
Junction 4SSW	3.91		Throckmorton 7NE	5.82
Mason	3.92		Water Valley	2.55
Menard	3.23		Water Valley 11NE	3.50
Merkel 12SW	3.95		Woodson	4.49

Reservoir Conditions (end of October, 2011)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	38,530	55
Lake Stamford	52,700	27,700	54
Hubbard Creek Lake	317,800	146,910	46
Hords Creek Lake	8,800	2,080	26
Lake Brownwood	131,428	53,350	41
E.V. Spence	488,760	2,320	0
O.C. Fisher	119,200	1,180	0
O.H. Ivie	554,340	108,590	20
Twin Buttes	177,800	11,860	7

Hydro Products Issued

FFA = 3

FFW = 3

FFS = 4

FLS = 18 (Flood Advisory)

ESF = 2

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for October across the San Angelo HSA is depicted below.

